Chetan Zade

Sr. DevOps Engineer

I am an AWS Certified Solutions Architect (Professional) with 8+ years of experience and expertise in Clouds & DevOps Tools. I am proficient in providing solutions for building and supporting secure, fault-tolerant, highly available, scalable & cost-optimized architectures & provisioning infrastructures for the applications deployed in the cloud. Additionally, my experience includes working on healthcare eCommerce & OpenSource technologies to design optimal solutions for automating the infrastructure provisioning, building & deploying the application.

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Certifications

AWS Certified Solutions Architect - Professional

AWS Certified Solutions Architect - Associate

Google Cloud Certified - Associate Cloud Engineer

Work Experience

Cloud and DevOps Architect
Aventior Digital Pvt. Ltd.

May 2024 - Present

- **Role:** Cloud and DevOps Architect
- **Clouds:** AWS, GCP, Azure
- **Tools/Technologies:** Terraform, Ansible, Kubernetes, Helm, ArgoCD, Jenkins, Github Actions, Rundeck, Azure AVD, AWS EKS, GKE,
- **Responsibilities:**
  - Conduct client calls to gather requirements and provide progress updates
  - Lead a team working on various projects across AWS, GCP, and Azure, assisting them in resolving technical issues.
  - Provide team guidance in security management and support them through security audits.
  - Perform task-based work on AWS, Azure, and GCP cloud platforms
  - Oversee Kubernetes management, create Helm charts, and deployments using ArgoCD
  - Develop CI/CD pipelines for efficient Kubernetes deployments
  - Implement Infrastructure as Code (IaC) using Terraform
  - Manage Azure AVD, including Single Sign-On setup
  - Setting up a firewall on Azure/AWS/GCP.

Senior DevOps Engineer
GFT Poland Sp. z.o.o.

March 2023 - May 2024

- **Role:** Senior DevOps Engineer
- **Tools/Technologies:** Openshift, Urbancode, Ansible, Jenkins, GitHub, Terraform

- Responsibilities:
  - Create and upgrade pipelines for deployment
  - Create ansible playbooks for new component releases
  - Manage and support team for release pipelines and issues related to it
  - Work on AWS, Azure & GCP cloud depending on the requirements

Senior DevOps Engineer
Opcito Technologies Pvt. Ltd.

August 2022 - March 2023

- **Role:** Senior DevOps Engineer
- **Tools/Technologies:** AWS Cloud Services, Linux, Terraform, CloudFormation, Ansible, Docker & Containerization, Kubernetes, AWS ECS (Fargate), Git, Jenkins, Wazuh.
- Responsibilities:
  - Recommend & create multi-cloud architectures for multiple environments of the projects.
  - Setup of multiple environments with the latest technology stack including Terraform, Kubernetes (AWS EKS & GKE), Ansible, Helm charts, Jenkins, AWS, GCP, etc.
  - Create fully automated CI-CD pipelines for infrastructure and code deployments.

AWS Solutions Architect, Senior DevOps Engineer & Site Reliability Engineer
e-Zest Solutions Pvt. Ltd.

January 2016 - August 2022

- **Number of Projects:** 15
- **Project Framework:** Magento 1.x, Magento 2.x, Odoo, Laravel, WordPress
- **Project Domain:** Multinational Healthcare e-Commerce Web Applications
- **Role:** AWS Solutions Architect, Senior DevOps Engineer & Site Reliability Engineer
- **Tools/Technologies:** AWS Cloud Services, Linux, Terraform, CloudFormation, Ansible, Docker & Containerization, AWS ECS (Fargate), Kubernetes, Git, Jenkins, Rundeck, SonarQube, Veracode, Wazuh, Nagios, NewRelic, Puppet, Shell Script, Palo Alto, ELK Stack
- Responsibilities:
  - Recommended & created AWS architectures for multiple environments of the projects.
  - Setup of multiple environments with infrastructure as code using CloudFormation & Terraform.
  - Deployed & managed multiple projects with AWS ECS Service (Fargate) architectures and recommended virtualization and containerized solutions.
  - Created fully automated CI-CD pipelines, infrastructure deployment jobs & processes for multiple projects with best practices.
  - Implemented the monitoring and reporting solutions across a range of environments using Veracode, SonarQube, Newrelic, Wazuh, Nagios & ELK stacks.
  - Implemented security hardening for networks & servers.
  - Firewall implementation with AWS WAF & Shield and PaloAlto.
  - Worked on architecture, design & automation of the Disaster Recovery (DR) Strategies with the implementation of DR drills.
  - Developed scripts for creating builds, deploying artifacts & creating backups using Jenkins, Ansible, Docker & Shell scripting with rollback strategies.
  - Worked on migration activities of the projects.
  - Driven support activities that involve analyzing incidents and Problem Records (PRs) for specific kinds of problems to find appropriate RCA and solving problems by analyzing the logs.
  - Recommended & implemented infrastructures for multiple frameworks, like Magento 1.x, Magento 2.x, Laravel, Odoo & WordPress.

- Worked on requirements gathering, designing & documenting architectures, application development, testing, implementation, post-implementation support & knowledge transition.
- PCI-DSS & HIPAA compliant environment setup on AWS Cloud for multiple healthcare e-Commerce websites.
- Implemented the PCI-DSS standard controls for the resources deployed on AWS and worked with the Qualified Security Assessor (QSA) to achieve PCI certification.
- Worked on Kubernetes Clusters setup (AWS EKS) for multiple environments.

Expertise

Operating Systems	Windows, Linux - Ubuntu, RHEL-based OS, CentOS, Amazon Linux, Amazon Linux 2
Cloud	Amazon Web Services, GCP, Azure & OpenStack
AWS Services	**Analytics:** ElasticSearch, OpenSearch **Application Integration:** Amazon MQ, Rabbit MQ, SNS, SQS, Step Functions **Business Applications:** SES **Compute:** EC2, Lambda, EBS, AMI, Snapshots, Load Balancers, Target Groups, AutoScaling Groups, Launch Configurations **Containers:** Elastic Container Registry, Elastic Container Service, Elastic Kubernetes Service **Databases:** ElastiCache, DynamoDB, RDS (Amazon Aurora, MySQL, MariaDB) **Developer Tools:** CodeBuild, CodeCommit, CodeDeploy, CodePipeline **End User Computing:** Workspaces **Management & Governance:** CloudFormation, CloudTrail, CloudWatch, AWS Health Dashboard, System Manager, Trusted Advisor **Networking & Content Delivery:** CloudFront, Route53, VPC, Subnets, Route Tables, NACLs, Security Groups, VPN, IGW, Nat Gateway, Peering Connections **Security, Identity, & Compliance:** Certificate Manager, IAM, WAF & Shield, KMS, Secret Manager **Storage:** AWS backup, EFS, S3, EBS
DevOps	**Version Control**: GIT **Automation/Build**: Jenkins, Rundeck, Confluence, Jira, SonarQube, Veracode, Urbancode, ArgoCD, GitHub Actions **Virtualization**: Docker, AWS ECS (Fargate), Kubernetes, GKE, Helm charts, Openshift **Monitoring**: Nagios, Wazuh **Configuration**: Puppet, Ansible **IaC tools**: Cloudformation, Terraform, Ansible **Web servers**: Nginx, Apache
Languages	Python, Shell Scripting, Groovy, JSON, Angular, AngularJs, Basic Java, PHP, HTML, CSS, JavaScript, Powershell scripting
Framework	Magento 1.x, Magento 2.x, Laravel, Odoo, WordPress
Firewalls	AWS WAF & Shield, Palo Alto, pfSense

Databases	MySQL, Aurora Postgress, Aurora MySQL, DynamoDB, Oracle
Other	Technical documentation, Cost Optimization, Availability and Scalability of Infrastructures, Automations, DR Strategies, Network Security, Server Security Hardening, e-Mail services, HIDS setup, Remediation on IVA, ASV & CHD Scans.

Education

Savitribai Phule Pune University

Bachelor of Engineering - Computer

2011 - 2015

K.T.H.M. College

Higher Secondary Education

2009 - 2011